

WHAT IS CLAIMED IS:

1. A retractable handle of a wheeled luggage, comprising:
 - a pulling rod including one or more sliding tubes and a support tube; and
 - 5 a swivel handle grip mounted on a top of the pulling rod and comprising:
 - an enclosed frame including a top recessed seat, a horizontal passage,
 - and a bottom recess; and
 - a transmission mechanism comprising:
 - a push button slidably anchored in the top recessed seat,
 - 10 an upper sliding block disposed in the passage,
 - a flexible connecting rod having one end fastened at the upper sliding block,
 - a spring biased lower sliding block disposed in the bottom recess,
 - a central sleeve extended downward from a bottom of the frame of the
 - 15 handle grip, the sleeve having an intermediate neck and a lower annular toothed member,
 - an upright rod slidably received in a bore of the sleeve,
 - a locking member engaged with toothed member of the central sleeve and a bottom of the upright rod,
 - 20 a spring biased upright member engaged with a bottom of the locking member, and
 - a sheath interconnecting the sleeve and the upper sliding tube for enclosing the neck, the toothed member, the upright rod, the locking member, and the upright member;
 - 25 whereby pressing the push button will push one end of the connecting rod to move to a first direction and the lower sliding block to move to a second direction opposite to the first direction so that a top end of the upright rod is

pressed by the lower sliding block to cause the upright rod, the locking member, and the upright member to move down to clear the locking member from the toothed member, thereby unlocking both the handle grip and the pulling rod.

5 **2.** The retractable handle of claim 1, wherein the handle grip has a shape of rectangle.

3. The retractable handle of claim 1, further comprising a hose member sleeved on the connecting rod.

10

4. The retractable handle of claim 1, wherein the enclosed frame further comprises a first and second openings on a bottom of the seat, a top third opening on the seat, a bottom recess, and a bottom tunnel on the bottom recess.

15

5. The retractable handle of claim 4, wherein the push button further comprises a spring biased first bottom post having a slanted end passed the first opening and a second bottom post having a slanted end passed the second opening.

20

6. The retractable handle of claim 5, wherein the upper sliding block further comprises a first compartment, a second compartment having a slanted surface with the slanted end of the first bottom post disposed thereon, and a third compartment having a slanted surface with the slanted end of the second
25 bottom post disposed thereon.

7. The retractable handle of claim 1, wherein the lower sliding block further

comprises a left cavity with an other end of the connecting rod fastened therein and a bottom dent.

8. The retractable handle of claim 4, wherein the upright rod further
5 comprises a sharp top end passed the bottom tunnel of the frame to urge against a dent of the lower sliding block.

9. A retractable handle of a wheeled luggage, comprising:
a pair of pulling rods each including one or more sliding tubes and a
10 support tube; and

a swivel handle grip mounted on a top of the pulling rod and comprising:
an enclosed frame including a top recessed seat, a horizontal passage,
and a bottom recess;

a first transmission mechanism comprising a push button slidably
15 anchored in the top recessed seat, an upper sliding block disposed in the passage, a flexible connecting rod having one end fastened at the upper sliding block, a spring biased lower sliding block disposed in the bottom recess of the frame, a central sleeve extended downward from a bottom of the frame of the handle grip, the sleeve having an intermediate neck and a lower annular
20 toothed member, and an upright rod slidably received in a bore of the sleeve;
and

a second transmission mechanism comprising a housing including a longitudinal cylinder for slidably receiving the central sleeve of the first transmission mechanism; and

25 an activation assembly received in the housing and comprising an inverted U-shaped locking member disposed in the passageway to be engaged with the lower annular toothed member and a bottom of the upright

rod, a U-shaped seat including an upper groove, a pair of levers pivotably disposed in the housing, and a pair of flexible coupling rods each having one end fastened at the one of the levers and the other end coupled to a locking device in either pulling rod,

5 whereby pressing the push button will push one end of the connecting rod to move to a first direction and the lower sliding block to move to a second direction opposite to the first direction so that a top end of the upright rod is pressed by the lower sliding block to lower the upright rod, the locking member, and the seat for pushing down a first end of lever and lifting a second end of
10 the lever, thereby unlocking both the handle grip and the locking devices in the pulling rods via the coupling rods.

10. The retractable handle of claim 9, wherein the handle grip has a shape of rectangle.

15

11. The retractable handle of claim 9, further comprising a hose member sleeved on the connecting rod.

12. The retractable handle of claim 9, further comprising a container for
20 receiving the second transmission mechanism.

13. The retractable handle of claim 9, wherein the house further comprises a top flange, a narrow shoulder below the flange for slidably receiving the neck, a space below the shoulder for slidably receiving the toothed member, a
25 transverse passageway through the space, and a bottom cavity.

14. The retractable handle of claim 9, wherein the locking member further

comprises a lower central post and two lower side posts.

15. The retractable handle of claim 9, wherein the U-shaped seat further comprises a spring biased lower post anchored on the bottom cavity for pushing the seat upward, and a channel through the lower post with the central post disposed therein.